



INTRODUCTION

Every currently active variable has an associated color legend that can be displayed in the Graphics Window. Color legends provide essential information about images that use parts colored by variable values (color fringes). Legends are particularly important if the image is to be viewed by others.

Legends are drawn as a vertical color bar with associated variable values. The size and position of the color legend can be changed. This article discusses changing the appearance of color legends using Annotation mode. To edit the color palette itself (change colors or change the mapping from variable values to colors) see [How To Edit Color Palettes](#).

BASIC OPERATION

To display a color legend:

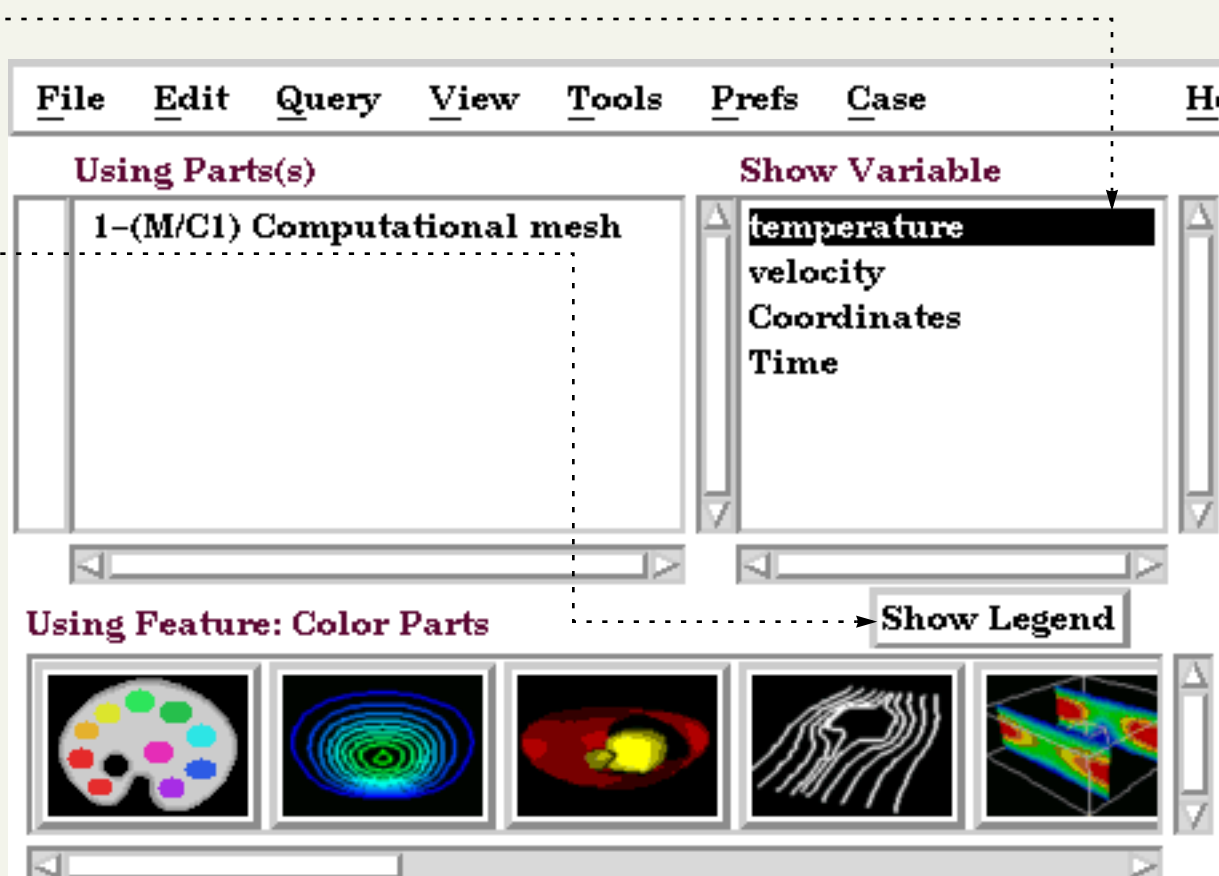
1. In the Main Variables list, select the variable for which you wish to display a color legend.

2. Click Show Legend.

If you select another variable and click Show Legend, any existing legend will be replaced by the new one. To display multiple legends concurrently, select all the variables first and then click Show Legend

To remove all color legends, be sure no variables are selected (control-click to deselect a selected item) and click Show Legend.

If the variable you selected is a vector, you must select Magnitude, X, Y, or Z component from the pop-up dialog.



Resize or Reposition Color Legends

In Annotation Mode, color legends can be grabbed and then scaled or moved:

1. Make a color legend visible as described above.

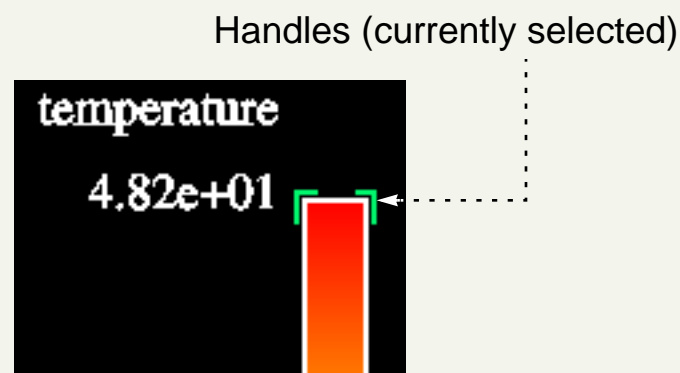
2. Click Annot in the Mode Selection area.

Like other annotation entities, color legends must be selected prior to performing an operation. A selected color legend has handles surrounding the color bar colored in the highlight color (typically green). Unselected color legends have white handles.

3. Select the desired color legend: move the mouse into the Graphics Window and click the left mouse button anywhere within the color bar.

4. To move the color legend, place the mouse pointer within the color bar, click the left mouse button, and drag to the desired location.

5. To resize the color legend, place the mouse pointer over one of the four corner handles, click the left mouse button, and drag to the desired size.





OTHER NOTES

Additional icons in Annotation Mode provide control over legend appearance.

Visibility

To specify visibility of selected color legends:

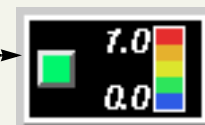
1. Click Annot in the Mode Selection area.
2. Select the desired color legend (click the left mouse button anywhere within the color bar).

3. Click the Visibility Toggle icon.



The visibility of all color legends can be toggled on or off:

1. Click the Global Legend Visibility Toggle icon.



Color of Text and Colorbar Outline

To specify the color of the text and colorbar outline of selected color legends:

1. Click Annot in the Mode Selection area.
2. Select the desired color legend (click the left mouse button anywhere within the color bar).

3. Click the Color icon.



4. Specify the desired color with the [Color Selector](#) dialog and click Apply.

Location

Although you can interactively reposition a color legend with the mouse, you sometimes need to specify the size and position precisely:

1. Click Annot in the Mode Selection area.
2. Select the desired color legend (click the left mouse button anywhere within the color bar).

3. Click the Object Location icon.



4. Enter values for X & Y (lower left corner) and/or X2 & Y2 (upper right corner) and press return.

Annotation Item Location			
Positions are given as a fraction(0.0-1.0) of X and Y.			
X	0.960	Y	0.060
X2	0.030	Y2	0.850
Close			



Legend Type

To specify the type of selected color legends:

1. Click Annot in the Mode Selection area.
2. Select the desired color legend (click the left mouse button anywhere within the color bar).
3. Click the Legend Type Pulldown icon and select either Continuous (the default) or Discrete.



Title Position

To specify position of the title of selected color legends:

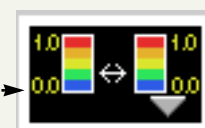
1. Click Annot in the Mode Selection area.
2. Select the desired color legend (click the left mouse button anywhere within the color bar).
3. Click the Legend Title Position Pulldown icon and select either Above (the default), Below, or None.



Text Position

To specify position of the variable value label text of selected color legends:

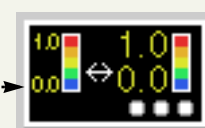
1. Click Annot in the Mode Selection area.
2. Select the desired color legend (click the left mouse button anywhere within the color bar).
3. Click the Legend Label Position Pulldown icon and select either Left (the default), Right, or None.



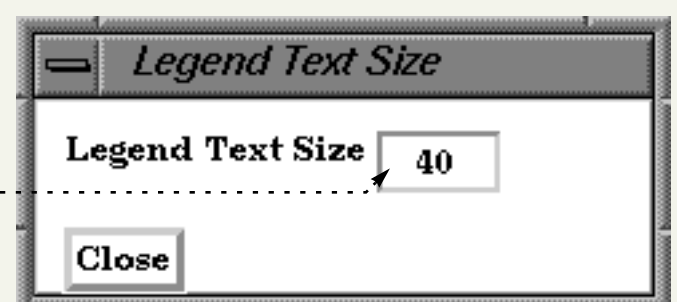
Text Size

To specify size of all text (title and labels) of selected color legends:

1. Click Annot in the Mode Selection area.
2. Select the desired color legend (click the left mouse button anywhere within the color bar).
3. Click the Legend Text Size icon.



4. Enter the desired text size and press return.





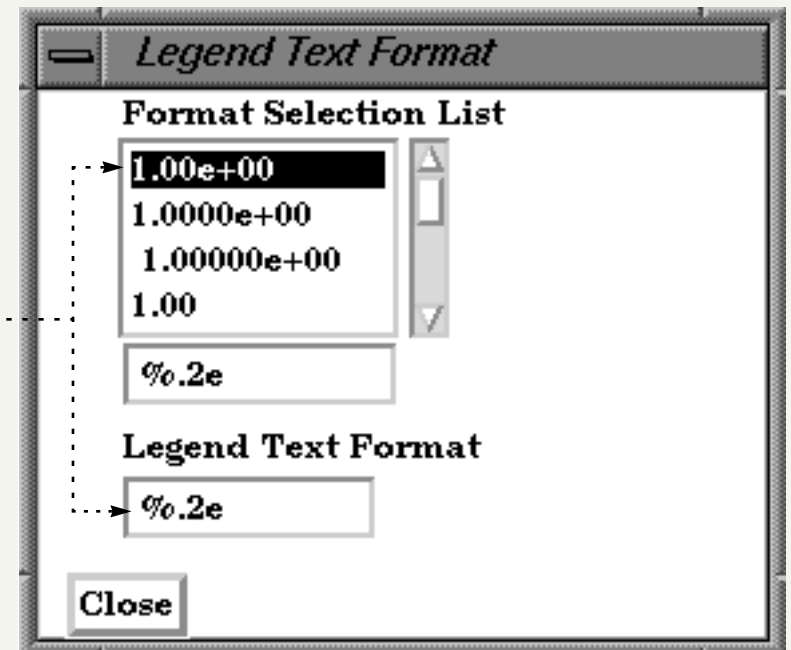
Text Label Format

To specify the format of all variable value labels of selected color legends:

1. Click **Annot** in the **Mode Selection** area.
2. Select the desired color legend (click the left mouse button anywhere within the color bar).
3. Click the **Legend Label Format** icon.



4. Either select a pre-defined format from the **Format Selection List** or enter a new format string in the **Legend Text Format** field.



5. Press **return** in the **Legend Text Format** field.

SEE ALSO

[How To Edit Color Palettes](#)

User Manual: [Annot Mode](#)